Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/05/2018 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124718	-1	1.41	124763	1.39
Blue	F	SSC	125000	123610	-2	2.11	124156	2.03
Blue	E	FITC	15760	15387	-3	3.03	330	23.15
Blue	D	PE	25880	25099	-4	2.09	545	16.68
Blue	B	PerCP-Cy5-5	34075	34013	-1	4.22	1038	22.92
Blue	A	PE-Cy7	22776	22738	-1	7.38	545	45.50
Red	C	APC	42488	41234	-3	2.66	1562	13.32
Red	A	APC-Cy7	24478	23969	-3	2.78	822	12.87
Violet	B	V450	6304	6058	-4	4.22	353	17.15
Violet	A	V500	26005	25009	-4	3.78	589	13.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20552	5.56	606	9	N/A	N/A	Pass
Blue	F	SSC	56203	1.83	571	16	N/A	N/A	Pass
Blue	E	FITC	58	77.66	561	5	0.0152	239	Pass
Blue	D	PE	114	59.67	554	5	0.1453	389	Pass
Blue	B	PerCP-Cy5-5	198	55.34	654	7	0.0072	64	Pass
Blue	A	PE-Cy7	106	111.19	706	9	0.0089	20	Pass
Red	C	APC	372	27.47	600	0	0.0196	89	Pass
Red	A	APC-Cy7	202	28.78	571	0	0.0049	1189	Pass
Violet	B	V450	59	73.53	486	-3	0.0269	2238	Pass
Violet	A	V500	88	47.25	503	-3	0.0133	1314	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.79	-31.09	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.52	13.60 - 20.40	N/A	N/A	30.85	31.48	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11425

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments